Unit 2 Practice Questions – THE VEHICLE RENTAL COMPANY

Part A Set Task Brief

You are advised to spend 10 minutes reading the Task Scenario and the activities you are to complete.

You may make notes and/or highlight information to use in the completion of the documents you need to produce for your task.

Task Scenario

You have been asked to create a database for the East Berkshire Vehicle Rental Company (EBVRC) . Currently all records are stored on a spreadsheet.

The Company would like to be able to store and report data on how their cars are Hired. The database will record information about:

- Customers and Customer Types
- Vehicles
- Rental Data

The Cars can be Petrol, Hybrid or Electric. The company wants the flexibility to add new cars and customers at a later date.

Customers can on Platinum, Gold or Standard discount models, and each model allows a different percent discount.

If a vehicle rental does not have a return date, that means the customer still has the vehicle out for hire.

Hire costs are for each full day of hire.

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The Vehicle Rental Company Sample Data

Vehicle ID	Vehicle Type	Vehicle Make	Hire Cost	Customer ID	Customer Name	Customer Postcode	Discount ID	Discount Type	Discount	Date Hired	Date Returned
1	Petrol	Ford	£75	1	Smith	RG47BP	1	Platinum	25%	20/09/2020	24/09/2020

Figure 1 Sample Data for the Vehicle Rental Company

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Activity 4: Structure Testing (45 minutes)

Test the structure of the validation of your relational database using suitable test data (normal, erroneous and extreme as appropriate).

You must provide evidence of table level testing that proves:

1. A Vehicle record will not save if the Make is missing

Complete the test log to show how you have tested the structure of your database.

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